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17, Soft Dovesfoot (*Geranium molle*) Cut leaved Geranium (*Geranium dissectum*) and Birds-foot Trefoil (*Lotus corniculatus*) flowering.

18, Rose-coloured upright Honeysuckle (*Azalea nudiflora*) Yellow do. (*Azalea Pontica*) and Marsh Starwort (*Stellaria uliginosa*) flowering.

19, Persian Lilac (*Syringa Persica*) flowering, and Swifts (*Hirundo Apus*) come.

20, Pontic Rose Bay (*Rhododendron Ponticum*) and Berberry (*Berberis vulgaris*) in flower; most people have heard of, and many have seen the extraordinary degree of irritability exhibited by the Sensitive Plant (*Mimosa sensitiva*) but few have observed that the Common Berberry, exhibits this principle in a no less remarkable degree in its flower, on touching with a pin, the base of the Stamina, an instantaneous motion takes place, the anthers are struck against the stigma, and a discharge of pollen takes place; sometime after, generally in about a quarter of an hour the stamina regain their former position.

### METEOROLOGICAL REPORT.

*From April 20, to May 20.*

It is not often that we have had a better opportunity of remarking the extraordinary influence of the wind on the weather, than since our last Report, and how much the heat and cold of a country depend on its proximity or distance from a continent or high land, from which the wind blows: about London and Bath the fall of snow was so great on the 20th and 21st of April, that it was lying in many places to the depth of three feet, and the streets of Bath were said to be nearly impassible, while we, being in a situation where the stream of cold air had to pass over a greater extent of sea, only experienced that degree of cold which produces hail showers.

April, 22, 23, 24, . . . . . Fine dry days.

25, . . . . . Gentle rain.

26, . . . . . Dark dry day.

27, . . . . . Rain in the morning.

28, 29, . . . . . Cold clear days.

30, . . . . . Dark day with rain in the evening.

May, 1, 2, . . . . . Hail shower.

3, . . . . . Pleasant dry day.

4, 5, . . . . . Gentle showers.

6, . . . . . Breezy with a trifling shower.

7, 17, . . . . . Clear dry days.

18, . . . . . In the evening thunder to the eastward, with rain.

19, . . . . . Same.

20, . . . . . Dark dry day.

The Barometer was on the first of May,  $29^{\circ} 2'$  and on the 24th of April  $30^{\circ} 6'$  the rest of the time there was little variation.

The Thermometer although on the 21st of April, and 2d May, it was so low in the morning as 39, has seldom been observed so high at the season; invariably warm weather set in on the 6th of May, since which time the Thermometer has not been observed below 51, and on the 15th it was as high as 63.

The general prevalence of the wind, has been northerly; as it was observed northerly 14; southerly 10; easterly only once. The intermediate points were easterly 13, westerly 11 times.

### CELESTIAL PHENOMENA.

FOR JUNE 1809.

THE Moon rises on the first, at 29 min. past 11, aft. being at that time between the first and second stars of the Goat, but while they are near the horizon the stars will not be visible. She passes the mer. at 6 min. past 4, next morning, at which time the bright star Athair in the Eagle is nearly north from her; at 9 she is  $51^{\circ} 7'$  from Markab, and  $54^{\circ} 3'$  from Antares.

Fifth, She rises at 47 min. past 0, morning, and passes the meridian at 36 min. past 6, at this time the two bright stars Markab and Scheat, are due north of her and on the meridian, west of the meridian we may behold Athair, and nearer the horizon the two beautiful stars, Ras Alhague in the Serpent-bearer and Ras Algethi in Hercules, and to the west Algenib, Menkar, &c. She sets 25 min. past 0, aft.

F t f

Tenth, She rises at 43 min. past 2, morning, being then near the Pleiades; as she mounts the heavens she is followed by Aldebaran, Bellatrix, Betelgeuse and Rigel in Orion; by Castor and Pollux, in the Twins; by Procyon in the little Dog, and by Sirius in the great Dog, all which form a pleasing prospect to the early riser, who delights in observing the motions, &c. of the heavenly bodies. She culminates at 20 min. past 10, morning.

Fifteenth, The Moon again cheers us in our evening excursions; she passes the mer. at 16 min. past 2, aft. and does not set till 58 min past 9 o'clock, which is one hour and 28 min. after sun-set; at 9 she is  $33^{\circ} 30'$  from Regulus.

Twentieth, She passes the meridian at 17 min. past 6, aft. and sets at 12; at 9 she was  $23^{\circ} 42'$  from Spica, in the Virgin, and  $88^{\circ} 28'$  from the Sun.

Twenty-fifth, She rises at 36 min. past 6 aft. and passes the meridian at 40 min. past 10, having Saturn and the second star of the Scorpion to the west of her, and Antares nearly below her; at 9 she is  $54^{\circ} 20'$  from Athair in the Eagle,  $47^{\circ} 54'$  from Spica in the Virgin.

Thirtieth, She rises 21 min. past 10, aft. at this time she is removed very considerably from the two first stars of the Goat, and to have above her the two first stars of the Water Bearer, and to the east the two first stars of this constellation.

Mercury, this month is favourable for observations on him, he is an evening star during the whole of the month; on the 13 he is at his greatest elongation. The Moon passes him on the 15th.

Venus is a morning star, too near the sun to be much observed in the beginning of the month, but her distance from him is daily encreasing. The Moon passes her on the 10th.

Mars passes the mer. on the 1st, at 23 min. past 3, aft. and on the 25th at 6 min. past 7, his motion is direct through  $8\frac{3}{4}$  degrees. The moon passes him on the 22d.


Jupiter is a morning star, at the latter end of the month this planet being a little west of Venus, will, with her, attract the attention of the early traveller. The moon passes him on the 7th.

Saturn passes the mer. on the 1st, at 38 min. past 11, aft. and on the 25th, at 52 min. past 9, his motion is retrograde through about two degrees, and we shall observe it by his distance from the second of the Scorpion, increasing. The moon passes him on the 25th.

Herschell passes the mer. 6 min. past 10, aft. on the 1st, and at 36 min. past, 8 aft. on the 21st his motion is retrograde through nearly three quarters of a degree. The Moon passes him on the 23d.

#### ECLIPSES OF JUPITER'S SATELLITES.

1st SATELLITE.				2d SATELLITE.				3d SATELLITE.				4th SATELLITE.			
Immisions.				Immisions.											
DAYS.	H.	M.	S.	DAYS.	H.	M.	S.	DAYS.	H.	M.	S.	DAYS.	H.	M.	S.
2	10	53	42	2	6	37	44	7	7	51	27 Im.	14	15	48	23 Im.
4	5	22	12	5	19	56	58	7	10	26	39 E.	14	16	12	39 E.
5	23	50	37	9	9	15	11	14	11	51	57 Im.				
7	18	19	7	12	22	34	31	14	14	26	4 E.				
9	12	47	32	16	11	52	43	21	15	52	25 Im.	* First Satellite Continued.			
11	7	16	1	20	1	12	5	21	18	25	32 E.				
13	1	44	26	23	14	30	18	28	19	53	24 Im.				
14	20	12	55	27	3	49	40	28	22	25	29 E.				
16	14	41	19	30	17	7	54								
18	9	9	47												
20	3	38	12									21	22	6	38
Look to the right hand.*												23	16	35	3
												25	11	3	29
												27	5	31	51
												29	0	0	20
												30	18	28	41

 We present to our Readers a sample of the fine Yarn, mentioned in a former number, spun by Ann McQuillin, of Comber; as a proof of the ingenuity of our Countrywoman.